```
RRRRRRRRRRR       UUU          UUU  NNN          NNN   000000000     FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRRRRRRRRRR       UUU          UUU  NNN          NNN   000000000     FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRRRRRRRRRR       UUU          UUU  NNN          NNN   000000000     FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRR       RRR     UUU          UUU  NNN          NNN  000      000   FFF               FFF
RRR       RRR     UUU          UUU  NNN          NNN  000      000   FFF               FFF
RRR       RRR     UUU          UUU  NNN          NNN  000      000   FFF               FFF
RRR       RRR     UUU          UUU  NNNNNN       NNN  000      000   FFF               FFF
RRR       RRR     UUU          UUU  NNNNNN       NNN  000      000   FFF               FFF
RRR       RRR     UUU          UUU  NNN          NNN  000      000   FFF               FFF
RRRRRRRRRRR       UUU          UUU  NNN   NNN    NNN  000      000   FFFFFFFFFFF       FFFFFFFFFFF
RRRRRRRRRRR       UUU          UUU  NNN   NNN    NNN  000      000   FFFFFFFFFFF       FFFFFFFFFFF
RRRRRRRRRRR       UUU          UUU  NNN   NNN    NNN  000      000   FFFFFFFFFFF       FFFFFFFFFFF
RRR   RRR         UUU          UUU  NNN      NNNNN    000      000   FFF               FFF
RRR    RRR        UUU          UUU  NNN      NNNNNN   000      000   FFF               FFF
RRR     RRR       UUU          UUU  NNN      NNNNNN   000      000   FFF               FFF
RRR      RRR      UUU          UUU  NNN          NNN  000      000   FFF               FFF
RRR       RRR     UUU          UUU  NNN          NNN  000      000   FFF               FFF
RRR       RRR     UUU          UUU  NNN          NNN  000      000   FFF               FFF
RRR        RRR    UUUUUUUUUUUUUUUU  NNN          NNN   000000000     FFF               FFF
RRR         RRR   UUUUUUUUUUUUUUUU  NNN          NNN   000000000     FFF               FFF
RRR          RRR  UUUUUUUUUUUUUUUU  NNN          NNN   000000000     FFF               FFF
```

```
    SSSSSSSS  EEEEEEEEEE  TTTTTTTTTT  DDDDDDD       AAAAAA      TTTTTTTTTT
    SSSSSSSS  EEEEEEEEEE  TTTTTTTTTT  DDDDDDDD      AAAAAA      TTTTTTTTTT
  SS          EE              TT      DD    DD    AA      AA        TT
  SS          EE              TT      DD    DD    AA      AA        TT
  SS          EE              TT      DD    DD    AA      AA        TT
  SS          EE              TT      DD    DD    AA      AA        TT
    SSSSSS    EEEEEEE         TT      DD    DD    AA      AA        TT
    SSSSSS    EEEEEEE         TT      DD    DD    AA      AA        TT
          SS  EE              TT      DD    DD    AAAAAAAAAA        TT
          SS  EE              TT      DD    DD    AAAAAAAAAA        TT
          SS  EE              TT      DD    DD    AA      AA        TT
  SSSSSSSS    EEEEEEEEEE      TT      DDDDDDDD    AA      AA        TT      ....
  SSSSSSSS    EEEEEEEEEE      TT      DDDDDDD     AA      AA        TT      ....
                                                                          ....

  LL          IIIIII      SSSSSSSS
  LL          IIIIII      SSSSSSSS
  LL            II      SS
  LL            II      SS
  LL            II      SS
  LL            II      SS
  LL            II        SSSSSS
  LL            II        SSSSSS
  LL            II              SS
  LL            II              SS
  LL            II              SS
  LL            II              SS
  LLLLLLLLLL  IIIIII    SSSSSSSS
  LLLLLLLLLL  IIIIII    SSSSSSSS
```

```
   1    0001   0  %TITLE 'Set date to a user-specified date'
   2    0002   0  MODULE SETDAT (
   3    0003   0                  IDENT = 'V04-000'
   4  P 0004   0  %BLISS32[
   5  P 0005   0          ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE,NONEXTERNAL=LONG_RELATIVE)
   6    0006   0          ]
   7    0007   0                  ) =
   8    0008   1  BEGIN
   9    0009   1
  10    0010   1  !*****************************************************************************
  11    0011   1  !*                                                                           *
  12    0012   1  !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
  13    0013   1  !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                   *
  14    0014   1  !*  ALL RIGHTS RESERVED.                                                     *
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  17    0017   1  !*  ONLY IN  ACCORDANCE  WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE   *
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  19    0019   1  !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY    *
  20    0020   1  !*  OTHER PERSON. NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY     *
  21    0021   1  !*  TRANSFERRED.                                                             *
  22    0022   1  !*                                                                           *
  23    0023   1  !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE    *
  24    0024   1  !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT    *
  25    0025   1  !*  CORPORATION.                                                             *
  26    0026   1  !*                                                                           *
  27    0027   1  !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS    *
  28    0028   1  !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
  29    0029   1  !*                                                                           *
  30    0030   1  !*                                                                           *
  31    0031   1  !*****************************************************************************
  32    0032   1
  33    0033   1  !++
  34    0034   1  ! FACILITY:      DSR (Digital Standard RUNOFF) / DSRPLUS
  35    0035   1  !
  36    0036   1  ! ABSTRACT: Sets the date to a user-specified date.
  37    0037   1  !
  38    0038   1  !
  39    0039   1  ! ENVIRONMENT: Transportable
  40    0040   1  !
  41    0041   1  ! AUTHOR: R.W.Friday      CREATION DATE: April, 1979
  42    0042   1  !
```

SETDAT
V04-000
Set date to a user-specified date
Revision History

G 4
16-Sep-1984 01:46:38
14-Sep-1984 13:08:08

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]SETDAT.BLI;1

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```
   44     0043  1 %SBTTL 'Revision History'
   45     0044  1 !
   46     0045  1 ! MODIFIED BY:
   47     0046  1 !
   48     0047  1 !      002     REM00002      Ray Marshall    07-Mar-1983
   49     0048  1 !              Global edit of all modules. Updated module names, idents,
   50     0049  1 !              copyright dates. Changed require files to BLISS library.
   51     0050  1 !
   52     0051  1 !--
```

```
  54      0052  1  %SBTTL 'Module Level Declarations'
  55      0053  1  !
  56      0054  1  !  TABLE OF CONTENTS:
  57      0055  1  !
  58      0056  1  !
  59      0057  1  !  INCLUDE FILES:
  60      0058  1  !
  61      0059  1
  62      0060  1  LIBRARY 'NXPORT:XPORT';                          ! XPORT Library
  63      0061  1  REQUIRE 'REQ:RNODEF';                            ! RUNOFF variant definitions
  64      0192  1
  65  U   0193  1  %IF DSRPLUS %THEN
  66  U   0194  1  LIBRARY 'REQ:DPLLIB';                            ! DSRPLUS BLISS Library
  67      0195  1  %ELSE
  68      0196  1  LIBRARY 'REQ:DSRLIB';                            ! DSR BLISS Library
  69      0197  1  %FI
  70      0198  1
  71      0199  1  !
  72      0200  1  !  MACROS:
  73      0201  1  !
  74      0202  1  MACRO
  75  M   0203  1      DOPARM (P,MAX) =
  76  M   0204  1          !Process this parameter only if it was specified.
  77  M   0205  1          IF   .NMLST_DESCR (P) NEQ NM_NULL
  78  M   0206  1          THEN
  79  M   0207  1              BEGIN
  80  M   0208  1              IF  .NMLST_DESCR (P) EQL NM_PLUS
  81  M   0209  1                          OR
  82  M   0210  1                  .NMLST_DESCR (P) EQL NM_MINUS
  83  M   0211  1              THEN
  84  M   0212  1                  TEMP_DATIM [3-P] = .TEMP_DATIM [3-P] + .NMLST_VALUE (P)
  85  M   0213  1              ELSE
  86  M   0214  1                  TEMP_DATIM [3-P] = .NMLST_VALUE (P);
  87  M   0215  1
  88  M   0216  1              !Check for negative or GTR MAX value
  89  M   0217  1              IF  .TEMP_DATIM [3-P] LEQ 0
  90  M   0218  1                          OR
  91  M   0219  1                  .TEMP_DATIM [3-P] GTR MAX
  92  M   0220  1              THEN
  93  M   0221  1                  !Illegal number value.
  94  M   0222  1                  BEGIN
  95  M   0223  1                  ERMA (RNFINM, FALSE);
  96  M   0224  1                  RETURN;
  97  M   0225  1                  END
  98      0226  1              END                     %;
  99      0227  1  !
 100      0228  1  !  EQUATED SYMBOLS:
 101      0229  1  !
 102      0230  1  !
 103      0231  1  !  OWN STORAGE:
 104      0232  1  !
 105      0233  1  !
 106      0234  1  !  EXTERNAL REFERENCES:
 107      0235  1  !
 108      0236  1
 109      0237  1  EXTERNAL
 110      0238  1      DATTIM : VECTOR [6],                              !Date and time.
```

SETDAT
V04-000
Set date to a user-specified date
Module Level Declarations

I 4
16-Sep-1984 01:46:38   VAX-11 Bliss-32 V4.0-742
14-Sep-1984 13:08:08   [RUNOFF.SRC]SETDAT.BLI;1

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```
  111   0239 1     NMLST : NUMBER_LIST;                !GLNM returns command parameters here
  112   0240 1
  113   0241 1 !
  114   0242 1 EXTERNAL LITERAL                         !Error messages
  115   0243 1     RNFINM;
  116   0244 1
  117   0245 1 !
  118   0246 1
  119   0247 1 EXTERNAL ROUTINE
  120   0248 1     ERMA,
  121   0249 1     GLNM,
  122   0250 1     RNODAT;
  123   0251 1
  124   0252 1 !
  125   0253 1
```

```
  127   0254   1   %SBTTL 'SETDAT  --'
  128   0255   1   GLOBAL ROUTINE setdat (handler_code) : NOVALUE =
  129   0256   1
  130   0257   1   !++
  131   0258   1   ! FUNCTIONAL DESCRIPTION:
  132   0259   1   !
  133   0260   1   !       SETDAT calls GLNM to pick up the day, month, and year, in that order.
  134   0261   1   !       If the user says nothing, then the date is set to the system date.
  135   0262   1   !
  136   0263   1   ! FORMAL PARAMETERS:
  137   0264   1   !
  138   0265   1   !       HANDLER_CODE is not examined.  It is passed to this routine
  139   0266   1   !       for reasons of conformity only.  It will always have the
  140   0267   1   !       value H_SET_DATE.
  141   0268   1   !
  142   0269   1   ! IMPLICIT INPUTS:        None
  143   0270   1   !
  144   0271   1   ! IMPLICIT OUTPUTS:       None
  145   0272   1   !
  146   0273   1   ! ROUTINE VALUE:
  147   0274   1   ! COMPLETION CODES:       None
  148   0275   1   !
  149   0276   1   ! SIDE EFFECTS:           None
  150   0277   1   !
  151   0278   1   !--
  152   0279   1
  153   0280   2       BEGIN
  154   0281   2
  155   0282   2       LOCAL
  156   0283   2           temp_datim : VECTOR [6];
  157   0284   2
  158   0285   2       glnm (3);                                       !Request the day, month, and year.
  159   0286   2
  160   0287   2       IF  .nmlst_count EQL 0  THEN
  161   0288   2           BEGIN
  162   0289   3           rnodat (temp_datim);     !Get entire system date/time.
  163   0290   3
  164   0291   3                   !Save just the system time part.
  165   0292   3
  166   0293   3           dattim [0] = .temp_datim [0];               !Year
  167   0294   3           DATTIM [1] = .TEMP_DATIM [1];               !Month
  168   0295   3           DATTIM [2] = .TEMP_DATIM [2];               !Day
  169   0296   3
  170   0297   3           RETURN;
  171   0298   2           END;
  172   0299   2
  173   0300   2       ! Assume the most complicated case: that the user is adjusting settings by
  174   0301   2       ! adding/subtracting values.  Make a copy of the current time.
  175   0302   2
  176   0303   2       temp_datim [0] = .dattim [0];                   !Year
  177   0304   2       temp_datim [1] = .dattim [1];                   !Month
  178   0305   2       temp_datim [2] = .dattim [2];                   !Day
  179   0306   2
  180   0307   2       !Validate the day, if given
  181   0308   2       doparm (1,31);                                  !First parameter can have a maximum value of 31
  182   0309   2
  183   0310   2       !Validate the month, if given
```

```
  184   0311  2      IF  .nmlst_count GEQ 2  THEN                          !Second paramater can have a maximum value of 12
  185   0312  2          doparm (2,12);
  186   0313
  187   0314  2      !Validate the year, if given
  188   0315  2      IF  .nmlst_count GEQ 3  THEN                                  !Maximum of 9999
  189   0316  2          doparm (3,9999);
  190   0317
  191   0318  2      !Make computed time currend
  192   0319  2      dattim [0] = .temp_datim [0];                        !Year
  193   0320  2      dattim [1] = .temp_datim [1];                        !Month
  194   0321  2      dattim [2] = .temp_datim [2];                        !Day
  195   0322  2
  196   0323  1      END;                                                !End of SETDAT


                                                                         .TITLE   SETDAT Set date to a user-specified date
                                                                         .IDENT   \V04-000\

                                                                         .EXTRN   DATTIM, NMLST, RNFINM
                                                                         .EXTRN   ERMA, GLNM, RNODAT

                                                                         .PSECT   $CODE$,NOWRT,2

                           000C 00000                                    .ENTRY   SETDAT, Save R2,R3                        ; 0255
             53 00000000G  EF 9E 00002                                   MOVAB    DATTIM, R3
             52 00000000G  EF 9E 00009                                   MOVAB    NMLST, R2
             5E           18 C2 00010                                    SUBL2    #24, SP
                          03 DD 00013                                    PUSHL    #3                                       ; 0285
  00000000G  EF           01 FB 00015                                    CALLS    #1, GLNM
                          62 D5 0001C                                    TSTL     NMLST                                     ; 0287
                          0C 12 0001E                                    BNEQ     1$
                          5E DD 00020                                    PUSHL    SP                                       ; 0289
  00000000G  EF           01 FB 00022                                    CALLS    #1, RNODAT
                        0092 31 00029                                    BRW      14$                                      ; 0293
                    6E    63 7D 0002C 1$:                                MOVQ     DATTIM, TEMP_DATIM                        ; 0303
           08   AE    08  A3 D0 0002F                                    MOVL     DATTIM+8, TEMP_DATIM+8                    ; 0305
           50  00A4      C2 D0 00034                                     MOVL     NMLST+164, R0                            ; 0308
                       1E 13 00039                                       BEQL     5$
           02          50 D1 0003B                                       CMPL     R0, #2
                       05 13 0003E                                       BEQL     2$
           03          50 D1 00040                                       CMPL     R0, #3
                       07 12 00043                                       BNEQ     3$
           08   AE    04 A2 C0 00045 2$:                                 ADDL2    NMLST+4, TEMP_DATIM+8
                       05 11 0004A                                       BRB      4$
           08   AE    04 A2 D0 0004C 3$:                                 MOVL     NMLST+4, TEMP_DATIM+8
                       5B 15 00051 4$:                                   BLEQ     13$
           1F   08    AE D1 00053                                        CMPL     TEMP_DATIM+8, #31
                       55 14 00057                                       BGTR     13$
           02          62 D1 00059 5$:                                   CMPL     NMLST, #2                                ; 0311
                       25 19 0005C                                       BLSS     9$
           50  00A8      C2 D0 0005E                                     MOVL     NMLST+168, R0                            ; 0312
                       1E 13 00063                                       BEQL     9$
           02          50 D1 00065                                       CMPL     R0, #2
                       05 13 00068                                       BEQL     6$
           03          50 D1 0006A                                       CMPL     R0, #3
                       07 12 0006D                                       BNEQ     7$
           04   AE    08 A2 C0 0006F 6$:                                 ADDL2    NMLST+8, TEMP_DATIM+4
```

```
                              04    AE       08   A2 D0 00074       BRB      8$
                                                  A2 D0 00076 7$:   MOVL     NMLST+8, TEMP_DATIM+4
                                                  31 15 0007B 8$:   BLEQ     13$
                              0C    04      AE D1 0007D       CMPL     TEMP_DATIM+4, #12
                                                  2B 14 00081       BGTR     13$
                              03                  62 D1 00083 9$:   CMPL     NMLST, #3
                                                  36 19 00086       BLSS     14$
                              50    00AC    C2 D0 00088       MOVL     NMLST+172, R0
                                                  2F 13 0008D       BEQL     14$
                              02                  50 D1 0008F       CMPL     R0, #2
                                                  05 13 00092       BEQL     10$
                              03                  50 D1 00094       CMPL     R0, #3
                                                  06 12 00097       BNEQ     11$
                              6E    0C      A2 C0 00099 10$:  ADDL2    NMLST+12, TEMP_DATIM
                                                  04 11 0009D       BRB      12$
                              6E    0C      A2 D0 0009F 11$:  MOVL     NMLST+12, TEMP_DATIM
                                                  09 15 000A3 12$:  BLEQ     13$
                     0000270F 8F           6E D1 000A5       CMPL     TEMP_DATIM, #9999
                                                  10 15 000AC       BLEQ     14$
                                                  7E D4 000AE 13$:  CLRL     -(SP)
                                       00000000G 8F DD 000B0       PUSHL    #RNFINM
                     00000000G EF           02 FB 000B6       CALLS    #2, ERMA
                                                  04 000BD       RET
                                       63    6E 7D 000BE 14$:  MOVQ     TEMP_DATIM, DATTIM
                              08    A3       08   AE D0 000C1       MOVL     TEMP_DATIM+8, DATTIM+8
                                                  04 000C6       RET
```

```
; Routine Size:  199 bytes,     Routine Base:  $CODE$ + 0000

;   197         0324  1
;   198         0325  1 END                                                    !End of module
;   199         0326  0 ELUDOM
```

```
                          PSECT SUMMARY

         Name                    Bytes                        Attributes

    $CODE$                         199   NOVEC,NOWRT,  RD , EXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)


                     Library Statistics

                                 -------- Symbols --------     Pages      Processing
         File                    Total   Loaded   Percent      Mapped     Time

   _$255$DUA28:[SYSLIB]XPORT.L32;1        590       0          0          252        00:00.1
   _$255$DUA28:[RUNOFF.SRC]DSRLIB.L32;1  1248      11          0           86        00:00.3
```

```
;                                              COMMAND QUALIFIERS

;        BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:SETDAT/OBJ=OBJ$:SETDAT MSRC$:SETDAT/UPDATE=(ENH$:SETDAT)

; Size:              199 code + 0 data bytes
; Run Time:             00:06.7
; Elapsed Time:         00:17.4
; Lines/CPU Min:        2906
; Lexemes/CPU-Min: 27548
; Memory Used:  69 pages
; Compilation Complete
```